



## **Introduction to AMS Performance Calibration Process (VR30) > Getting Started with Phone Flashing**

**There are many important points to be aware of during the AMS calibration process. Please read them all carefully as failure to have an understanding can result in engine damage.**

**AMS cannot be held liable for failure to follow directions!**

- This calibration service is intended to be completed within a set revision and or day-based time period.
  - This means, the time frame allotted from the start to end of a full calibration **and** the total number of revisions allotted are dependent on options purchased with your custom calibration.

Options / Add-on	# Of Revisions	# Of Days
Alpha Quick Flash	1	1
Base Custom Cal	3	6
Map Switch / Launch Control Add-on	3	6
Additional Fuel Type / Flex Fuel Add-on	3	6
Aftermarket Turbo and/or Fuel Injector Add-on	3	6
Alpha Full Send/Drag Map Add-on	3	6

**Proper data-log acquisition (if required) and prompt responses to either your AMS Sales Representative or the AMS Calibration Team are required to complete your tuning within the time period.**

- During this time, each new email or tune revision from your AMS sales representative or AMS Calibration Team can be expected to be received within 1.5 business days from time that your emailed response is received. This is generally about the longest response delay that you will encounter. This waiting period is dependent on the current workload of the AMS calibration team. When the workload on the calibration team is light, it is not uncommon for an email response or revised calibration to be forwarded to you within the same business day.
- If you unable to provide prompt responses to email or submit properly acquired data-logs for tuning review within the allotted time period due to potential delays including road/weather conditions, flat tire, awaiting parts installation, air-locked charge cooling system, etc, please inform your AMS Sales representative or the AMS Calibration Team and we will be more than willing to accommodate accordingly.
- After the allotted time period, revised calibrations from the AMS Calibration team can take up to 2-3 business days to be processed. (If the allotted revision count has not been met yet)
  - If you have recently installed new performance parts on your vehicle, it is possible that the car cannot and should not be started unless an initial tuning file is loaded to the car's ECU first. If you are unsure which modifications would warrant this, please ask.
  - **Regardless of new performance parts, it is imperative that the vehicle not be driven in positive boost pressure (approximately 25% or more throttle), until expressly requested to do so by the AMS Calibration team.**
  - Generally speaking, you will not be put into a position where the vehicle is unsafe to drive or driving poorly. However, if you notice something out of the ordinary, please bring it to our attention.
  - Be sure your battery is in good working order and fully charged. If the battery voltage drops or the battery dies during the flashing process, it can negatively impact the tuning process and can leave the vehicle inoperable. If the vehicle's battery is old or the car has been left sitting for an extended period of time; connecting a battery charger(10 amps or higher) to the car is recommended prior to the first flash.
  - **It is extremely important and up to the consumers discretion to make sure your vehicle is up to date on manufacturer recommended scheduled maintenance and is in 100% functional/mechanical condition prior to beginning the E-Flash/Tuning process.**
  - **\*QUICK FLASH\*** > While the Alpha Quick Flash is offered as a 1-time only flash, and should not require any further tuning or adjustments, please feel free to reach out to our team if you have any questions, concerns or feedback and our team will be more than willing to help ensure that the Quick Flash is working appropriately and help you out. (i.e. Check engine light, CEL/DTC, sluggish or lack of power after the flash, etc.)

# EcuTek Connect Programming Kit



Once you have received your EcuTek ECUConnect Kit, please follow these steps in order to complete the E-Tuning process as quickly and efficiently as possible.

## Setting up your ECUTEK for Phone Flashing:

1. Download the latest version of “ECU Connect” to your mobile device.
2. Setup/Create Your Account:
  - ECUtek Connect App will ask you to select your tuner. Select **AMS PERFORMANCE**
  - Enter your full name, email address, and create a password to finish setting up your account.

**NOTE: For the following steps, if there is any question of the integrity/charge of the vehicle battery, it is strongly recommended to connect a 15-20amp battery charger to the vehicle. The first vehicle flash or rom dump will take longer than individual revisions, and its critical for the vehicle to maintain proper voltage during this process. Otherwise, irreversible errors can occur leaving the vehicle in-operable.**

3. Connect you EVI-BT (EcuTek Vehicle Interface w/Bluetooth) to your vehicle’s OBDII Port
  - Turn on your vehicle’s ignition, but do not start the car.
    - (Your foot must be off of the brake in order to reach the “on” position without the engine starting)
    - When you have reached the “ignition ON” position, most of the system warning lights will be illuminated. (This is normal)
    - Make sure all accessories are off (A/C, heater blower motor, headlamps, seat warmers, etc.) **The operation may not continue if any of these systems are left on.**
  - Follow on screen prompts to pair your EVI-BT to your mobile device.
  - Create a passcode for your EVI-BT.
4. Send Vehicle info to your tuner.
  - Select “My Car”
    - You may be asked to enter a password / PIN. Choose a 4digit PIN that you will remember easily.
  - Select “Program ECU”
  - Select “Send Vehicle info to tuner”
  - Enter vehicle make/model and select “**Send to AMS PERFORMANCE**”
  - **If your Cal ID is not currently supported there will be more vehicle detail options to fill in and an option to read the engine calibration out of the vehicle so it can be sent to EcuTek and support added.**
    - **Please read out the Engine ECU ROM and follow the prompts on the screen. After this is complete, please select the option to send to Ecutek Tuner / AMS Performance. This is a rare occurrence and may not apply to you.**
    - **EcuTek will need to create a new software update for you. This process is generally completed by EcuTek within 3-5 business days. And this added time will be factored into your tentative scheduled tuning start date.**